

ABSTRACT

A process for production of an assembly including several silicone elements crosslinked by polyaddition of $\equiv\text{Si-H}$ units onto $\equiv\text{Si-alkenyl}$ (preferably $\equiv\text{Si-vinyl}$) units, the elements adhering to one another without detracting from their mechanical properties.

5 The process includes: (I) forming (1st coating) a silicone element (i) with a liquid silicone preparation (i) containing polyorganosiloxanes (POS) A with $\equiv\text{Si-vinyl}$ units, (POS) B with $\equiv\text{Si-H}$ units, a platinum catalyst C; (II) crosslinking so that (i) has a surface density SD of unreacted, residual vinyl, per nm^2 , of
10 $0.0100 \geq \text{SD} \geq 0.0040$; (III) optionally repeating steps (I) and (II) n times to give n elements (i) that adhere to one another; (IV) forming (2nd coating) a silicone element (ii) with a liquid silicone preparation (ii) of the same type as described above; (v) crosslinking to give crosslinked (ii) that adheres to (i).